

UNIVERSITY OF LOUISIANA AT LAFAYETTE

PHYSICS 216

Catalog Data: Introduction to Physics Laboratory II. (0,3,1). Experiments illustrating principles in electricity, magnetism, optics, and atomic physics. Prereq: Phys 215.

Textbook: Physics 216 Laboratory manual, written by L. Dwyann Lafleur and John R. Meriwether.

Coordinator: Natalia Sidorovskaia, Chair of the Physics Department

Topics: [one (1) to two (2) lab periods are assigned to perform the experiments listed below]

1. Experiment I: Measurement
2. Experiment II: Ohm's Law and Resistance
3. Experiment III: Joule Heating
4. Experiment IV: The Mass of the Electron
5. Experiment V: Kirchhoff's Laws
6. Experiment VI: R C Circuit
7. Experiment VII: Magnetic Fields
8. Experiment VIII: Lenses
9. Experiment IX: Electromagnetic Waves
10. Experiment X: The Diffraction Grating
11. Experiment XI: Radioactive Decay

Grades: Grades will be assigned based on the students' performance on examinations, quizzes, and/or other assignments. A schedule of these will be provided separately.